



Port and Borough of King's Lynn.

ANNUAL REPORT

.. OF THE ..

MEDICAL OFFICER OF HEALTH

FOR THE YEAR 1914,

.. BY ..

J. RENORDEN KINGDON,

M.R.C.S., L.R.C.P., B.A., Cantab.

WITH WHICH IS INCLUDED THE

ANNUAL REPORT OF THE BOROUGH SANITARY INSPECTOR

MR. J. W. SHAW,

Certif. of the Sanitary Institution.

King's Lynn:

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URBAN AND PORT SANITARY AUTHORITY.

CHAIRMAN : ALDERMAN R. GREEN.

THE MAYOR (R. O. RIDLEY, Esq.)

ALDERMAN W. H. BROWN.

„ R. A. METCALF.

COUNCILLORS T. BROWN, R. ERRINGTON, G. GEMMELL,
E. GREEN, M. J. JACKSON, L. SKINNER,
E. G. SMITHARD, R. F. SPRINGALL and
G. G. WOODWARK.

Meetings:—The Fourth Friday in each month at 11 a.m.

**TO THE CHAIRMAN & MEMBERS OF THE
HEALTH COMMITTEE OF KING'S LYNN.**

HEALTH OFFICE,

KING'S LYNN,

GENTLEMEN,

APRIL, 1915.

I have much pleasure in submitting my Sixth Annual Report.

The birth rate shows a slight decrease as compared with 1913.

The number of marriages was 144, as compared with 173 in 1913.

The death rate shows a slight increase, mainly owing to an outbreak of Whooping Cough during the first 3 months of the year.

A large number of cases of a mild form of Scarlet Fever has been notified during the year. This disease has not been confined to this part of the country but has been distributed all over England.

Since the war started, a number of troops of various kinds have been quartered in the town, but no case of infectious disease occurring amongst them was notified to me up to the end of the year.

In the Autumn, Dr. Manby, L.G.B. Inspector, visited Lynn with regard to the billeting of troops; he expressed himself as being highly satisfied with the arrangements.

My thanks are again due to Mr. J. W. Shaw for the assistance he has given me, also to the temporary inspectors of nuisances who acted during his absence on active service, and to the other officers of the Corporation with whom I have come into contact.

I have the honour to be, Gentlemen,

Your obedient Servant,

J. RENORDEN KINGDON.

Table 1.—Borough of King's Lynn—Vital Statistics of Whole District during 1914 and previous years

NETT DEATHS BELONGING TO THE DISTRICT.												
YEAR.	Population estimated to middle of each Year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.		TRANSFERABLE DEATHS		Under 1 year of age.			At all ages.	
								Number	Rate.*	Number			Rate.*
		of Non-residents registered in the District.	of Residents not registered in the District.	Number	Rate per 1000 Births registered.	Number	Rate.*					
		1	2	3	4	5	6	7	8	9	10	11	12
1901	20128	531	26.38	370	18.38			84	158.19	365	18.13	
1902	20135	514	25.22	285	14.15			49	95.33	280	13.9	
1903	20143	493	24.47	292	14.49			59	119.65	287	14.24	
1904	20150	572	28.28	320	15.88			71	124.12	315	15.63	
1905	20158	521	25.89	313	15.52			61	117.08	308	15.27	
1906	20166	583	28.03	315	15.62			78	133.79	310	15.37	
1907	20173	467	23.15	283	14.03			42	89.94	278	13.7	
1908	20180	519	25.72	303	15.01			56	107.9	298	14.76	
1909	20189	511	25.31	265	13.12			37	72.4	260	12.87	
1910	20197	488	24.21	265	13.17			33	67.62	260	12.92	
Average for ten years 1901-1910 inclusive	20166	519.9	25.66	301	15.35	15	10	57	111.7	296	14.67	
1911	20205	483	23.9	286	14.15	15	10	46	95.24	281	13.9	
1912	20213	437	21.15	321	15.88	14	9	44	100.7	316	15.6	
1913	20221	477	23.59	299	14.78	22	8	47	98.5	285	14.09	
1914	20229	457	22.59	323	15.96	27	11	59	129.1	307	15.17	

*Rates in Columns 4, 6 and 12 calculated per 1,000 of Estimated Population.
At CENSUS 1911.—Total Population at all Ages 20,205.
Number of Families or separate Occupiers, 4,840.
Area of District in Acres (exclusive of area covered by Water), 3,100.

RAINFALL FOR 1314.

Jan.	1.58	July	1.67
Feb.	1.30	Aug.	1.82
Mar.	2.41	Sept.	.64
Apl.	.75	Oct.	1.46
May	1.02	Nov.	2.45
June	2.01	Dec.	5.12

Total 22.21

Average rainfall 1894 to 1911 inclusive 22.91

1912 33.43 1913 21.46

REPORT OF ADMINISTRATION IN CONNECTION WITH
THE PUBLIC HEALTH (MILK & CREAM)
REGULATIONS, 1912.

Report for the Year ended 31st December, 1914.

1. MILK ; AND CREAM NOT SOLD AS PRESERVED
CREAM.

	(a) Number of samples examined for the presence of a preservative.	(b) Number in which a preservative was reported to be present.
Milk	15	None
Cream	1	None

Nature of preservative in each case in column (b) and action
taken under the Regulations in regard to it.

None.

2. CREAM SOLD AS PRESERVED CREAM.

(a) Instances in which samples have been submitted for analysis to ascertain if the statements on the label as to preservatives were correct.

(I.)	Correct statements made	...	...	...	6
(II.)	Statements incorrect	...	...	...	None

(b) Determinations made of milk fat in cream sold as preserved cream.

(I.)	Above 35 per cent.	...	...	...	None
(II.)	Below 35 per cent	...	...	...	None

(c) Instances where (apart from analysis) the requirements as to labelling or declaration of preserved cream in Article V (1) and the proviso in Article V (2) of the Regulations have not been observed.

None.

(d) Particulars of each case in which the Regulations have not been complied with, and action taken.

None.

3. THICKENING SUBSTANCES.

Any evidence of their addition to cream or to preserved cream. Action taken were found.

None.

(One sample of milk was deficient in fat to the extent of 11%; proceedings were taken and the case dismissed. Two other samples were of poor quality, but not adulterated).

HOSPITALS.

SMALL POX HOSPITAL.—This Hospital is in good order and ready to receive patients as required.

INFECTIOUS DISEASE HOSPITAL, Hardwick Road.—This Hospital, which was renovated according to my report of 1909, has been kept in a satisfactory condition, and is capable of receiving 12 patients, 6 in each ward, which are completely isolated one from the other.

TAR-SPRAYING OF ROADS.

Practically the whole of the roads in the Borough have been tar-sprayed.

FLUSHING AND WASHING.

All sewers, courts, yards, alleys, &c. have been periodically flushed and cleansed as in previous years.

NEW BUILDINGS.

During the year, plans have been approved for 30 proposed new buildings. Also for the laying out of three new Building Estates, viz.: Homelands Estate, Exton's Road Estate and King George V. Avenue.

TROOPS STATIONED IN BOROUGH.

Special arrangements have been made for the daily collection and disposal of all refuse, and the cleansing and disinfecting of all earth closets used, in connection with the troops stationed in the Borough.

SCARLET FEVER.

There were as many as 139 notifications from this disease during the year; of these, 74 were in the first quarter, 12 in the second, 18 in the third and 35 in the fourth. Nearly all the cases were of a mild type which is proved by the fact that there was only one death. 23 cases were admitted into the isolation hospital during the year, and all the houses wherein notified cases were situated were at the conclusion of each case of illness visited by the Inspector of Nuisances, who disinfected the rooms, bedding, &c.

MEASLES.

There was quite an outbreak of this disease during the first quarter of the year, causing a few deaths, chiefly from Broncho-Pneumonia. Since that time I have only come into contact with a very few cases.

WHOOPIING COUGH.

This, which is probably the most fatal of all the zymotic diseases in early childhood, was the cause of 16 deaths during the first half of the year, especially during the inclement weather which visited us during the winter months.

ENTERIC FEVER.

Ten cases were notified, with two deaths, I could find no origin, but they were probably all due to "Carrier" cases.

DIPHThERIA.

There were 25 cases notified, with 4 deaths. Probably the low percentage of deaths in this disease was due to the use of antitoxin, which in the case of the poorer people is supplied by the Borough free of charge.

TUBERCULOSIS.

There were 33 pulmonary cases notified, compared with 44 last year, and 19 of other parts of the body.

The deaths from Pulmonary Tuberculosis were 21, last year the number was 24; those from other parts of the body 2, compared with 6 last year. These numbers seem to show a slight decrease all round, which I hope may be maintained in future years.

CANCER.

The number of deaths from cancer was 34, that of last year 36. The average for the last 15 years is about 29.

Though there is no evidence at present that this disease is contagious, it would be well from a sanitary point of view if all rooms, &c. wherein these cases die were disinfected.

On deaths from this disease being notified to the Sanitary Department, disinfection is carried out.

			1910	1911	1912	1913	1914
{	Liver	.. ...	7	4	3	5	5
	Stomach and Bowel		7	13	12	9	7
	Panereas	... ...	0	1	3	2	1
{	Uterus	... ...	2	3	3	4	1
	Breast	... ...	1	3	1	2	3

THE LOCAL ADMINISTRATION OF THE FACTORY AND WORKSHOPS ACT.

Under Sec. 132 of this Act, the Council's Medical Officer of Health is now required in his Annual Report to report specifically upon the administration of this Act in workshops and work places so far as the matters under the charge of the Council are concerned, and to send a copy of his report, or of so much of it as deals with this subject, to the Secretary of State.

I am glad to be able to state that the Workshops and Work places have been inspected from time to time, and have been found to be in such a condition that I am able to report very favourably upon them. Within the last few months I was interviewed by the Inspector of Factories in this district, who expressed himself quite satisfied with the local administration of this Act in the Borough.

In the Report of the Inspector of Nuisances which is appended, a more detailed account will be found, such as I believe to be required.

TABLE II.

Borough of King's Lynn.—Cases of Infectious Disease notified during the Year 1914.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.								TOTAL CASES NOTIFIED IN EACH LOCALITY.						
	At all Ages.	At Ages—Years.							Old Lynn S. of Purfleet.	Old Lynn N. of Purfleet.	North End.	Highgate, Gaywood Rd., &c.	South Lynn within.	South Lynn without.	Cases removed to Hospital.
		Under 1	1 to 5	5 to 15	15 to 25	25 to 45	45 to 65	65 and upwards							
Diphtheria (including Membranous croup) ...	25	1	10	8	5	1		6	8	3	2	6			4
Erysipelas ...	10			1		4	3	2	2	4	1	1	1	1	
Scarlet Fever ...	139		25	83	21	8	2	14	29	10	26	53	7	23	
Enteric Fever ...	11			5	3	2	1	1	5	1		3		4	
Puerperal Fever ...	1					1			1						
Pulmonary Tuberculosis...	33			4	11	8	10	3	7	1	5	12	3	4	
Other forms of Tuberculosis...	19	1	6	6	6				9		2	5	1	4	
Totals ...	238	2	41	107	46	24	16	2	26	63	16	36	80	12	39

BOROUGH OF KING'S LYNN.

Table III.—Causes of, and Ages at Death, during Year 1914.

CAUSES OF DEATH.	NETT DEATHS AT THE SUBJOINED AGES OF "RESIDENTS" WHETHER OCCURRING WITHIN OR WITHOUT THE DISTRICT.									Total Deaths whether of "Residents" or "Non-Residents" in Institutions in the District
	All Ages.	Under 1 year	1 and under 2.	2 and under 5.	5 and under 15.	15 and under 25	25 and under 45.	45 and under 65.	65 and up-wards.	
1	2	3	4	5	6	7	8	9	10	11
Enteric Fever	2				1		1			
Measles	7	1	6							
Scarlet Fever	1					1				
Whooping Cough	16	9	5	1		1				
Diphtheria and Croup	4	1	1	2						2
Influenza	3								3	
Erysipelas	1									
Phthisis (Pulmonary Tuberculosis)	21				2	4	5	10		3
Tuberculous Meningitis	1		1							
Other Tuberculous Diseases	1			1						
Cancer, malignant disease	34						2	16	16	
Rheumatic Fever	1			1						
Meningitis	3			2						
Organic Heart Disease	35	3			1	2	4	9	16	2
Bronchitis	21	4								
Pneumonia (all forms)	16	6	3	1	1			3	2	1
Other diseases of respiratory organs	2				1				1	
Diarrhoea and Enteritis	10	7		2				1		1
Appendicitis and Typhlitis	2				1	1				1
Alcoholism	1							1		
Nephritis and Bright's Disease	5						1	2	2	1
Puerperal Fever	1						1			
Other accidents and diseases of Pregnancy and Parturition	1									
Congenital Debility and Malformation, including Premature Birth	18	18								
Violent Deaths, excluding Suicide	12	1		1	4	2	2	2		2
Suicide	1							1		
Other Defined Diseases	86	9		1	1	2	3	11	59	7
Diseases ill-defined or unknown	1								1	
Total, all causes	307	59	16	12	12	14	20	61	113	32

Deaths from stated Causes in Weeks and Months under One Year of age.

CAUSE OF DEATH.	Under 1 Wk.	1-2 Weeks	2-3 Weeks	3-4 Weeks	Total under 1 month	1-3 months	3-6 months	6-9 months	9-12 months	Total Deaths under One Year.
Measles				1	1	1	2		1	1
Whooping-Cough									5	9
Diphtheria and Croup								1		1
Convulsions	1			1	2			1	1	4
Bronchitis			1		1	1	1	1		4
Pneumonia (all forms)				1	1		1		4	6
Diarrhoea						2	2		2	6
Enteritis						1				1
Syphilis						1				1
Atelectasis	1				1					1
Congenital Malformations	1	1			2	2				4
Premature Birth	6		1		7	1				8
Atrophy, Debility and Marasmus				2	2	6	1			9
Other Causes						2	2			4
TOTALS	9	1	2	5	17	17	9	3	13	59

Nett Deaths, from all Causes at all Ages, 307.

Total No. of Illegitimate Children 1914 - 40.

Total No. of Births 1914 - 457.

PORT OF KING'S LYNN.

KING'S LYNN,

APRIL, 1915.

TO THE CHAIRMAN AND MEMBERS OF THE
PORT SANITARY AUTHORITY.

GENTLEMEN,

During the year 1914 the ships calling at this port have been particularly free from disease and no case of infectious disease has been brought under my notice.

I visited 15 ships which came from ports situated in areas wherein infection might have existed, most of which had clean bills of health from ports of call.

I should like to point out the large increase in the coastwise trade.

The Port Sanitary Hospital is in good order.

My thanks are due to H.M. Collector of Customs for the Wash District, for again supplying me with the list of ships and imports coming to the port during the year; and to the officers of the Customs for their invariable courtesy and promptitude.

I have the honour to be, Gentlemen,

Your obedient Servant,

J. RENORDEN KINGDON.

Number of Vessels arriving at port in the year 1914.

From 1st Jan. to 4th Aug. ...	168	Foreign	475	Coastwise
„ 5th Aug. to 31st Dec. ...	42	„	250	„
Totals ...	210		725	
Last year	347		659	


Food Stuffs imported and brought coastwise during 1914.

- (a) Fresh Food, etc. Rice, Tomatoes, Potatoes. Onions,
Cherries, Cheese, Margarine, Periwinkles, and Cucumbers.
- (b) Frozen Meat. Nil.
- (c) Tinned Goods. Condensed Milk.
- Grain (all kinds). Wheat, Maize, Pearl Barley, Peas and
Beans (not fresh), and Locust Beans.

List of Principal Imports, 1914.

Timber	Linseed	Beech Wood Chairs
Grain	Beer	Tobacco
Oilcake	Fancy Goods	Cigars
Sugar	Starch	Toys
Paper	Moss Litter	Canes, Sticks & Willows
Cotton Goods	Wood Pulp	Stationery
Cycle Rims & Cycle parts	Spirits, Brandy, Geneva,	Tools
Leather	Perfumery, etc,	Sewing Machines
Hardware & Hollow-ware	Wines (Claret, Port, Sherry	Iron Wagons
Chemicals	Hock and Moselle)	Rails
Chinaware & Earthenware	Twine	Bulbs and Trees
Machinery	Matches	Wood Mouldings
Glass and Glass	Cork, Manufactured	Doors
Manufactures	Cattle Foods	Yarn and Thread
Painters' Colors	Vegetables, preserved	Soap
Crude Spelter	Phosphates and Manures	Brushes
Stone	Polishes	Electrical Apparatus
Old Metal (Copper, Brass,	Isinglass	Dyes
etc.)	Clocks	Explosives
Baskets	Iron Ore	Fibre
Hoopwood	Cocoa Powder	Garden Seeds
Buttons	Incandescent Mantles	Zinc Sheets
Straw Envelopes	Pyrites	Sheet Iron
Boots and Clogs	Ice	Bolts and Nuts
Iron Manufactures :	Sand	Celluloid
Hoops, Wire Nails,	Candles	Woollen Goods
Tubes and Pipes,	Vegetable Wax	India Rubber
Wire, Rods, etc.	Pianos	Millboard

BOROUGH OF KING'S LYNN.



ANNUAL REPORT

... OF THE ...

SANITARY INSPECTOR.



TO THE MAYOR, ALDERMEN AND BURGESSES
OF THE BOROUGH OF KING'S LYNN.

GENTLEMEN,

I beg to submit my Sixteenth Annual Report of the work done in the Sanitary Inspector's Department during the year ending December 31st, 1914.

I am, Gentlemen,

Your obedient Servant,

JOHN W. SHAW.

Population Estimated 1914	...	...	...	...	...	20201
Area	...	...	...	...	...	3173 acres

SUMMARY OF NUISANCES.

Number of Nuisances dealt with	...	...	...	...	700
Houses and Premises Inspected	...	...	...	...	542
Notices Issued (Informal)	...	...	...	...	276
Notices Issued (Statutory)	...	...	...	...	3
Number of Complaints re Nuisances	...	...	...	...	52
Number of Ashbins provided	...	...	...	...	172

DRAINAGE.

Drains Re-constructed or Cleansed	...	...	...	...	19
New Drains Laid	...	...	...	...	10
Drains Smoke Tested	...	...	...	...	21
Defective Spouting Repaired	...	...	...	...	7

W.C. ACCOMMODATION.

Defective W.C.'s Repaired	...	...	...	...	12
Insufficient Sanitary Conveniences	...	...	...	...	1
Outhouses Cleansed	...	...	...	...	17

MISCELLANEOUS.

Absence of Properly Constructed Ashbins	...	...	...	...	313
Defective Ashbins	...	...	...	...	19
Filthy Yards	...	...	...	...	25
Defective Paving	...	...	...	...	14
Overcrowding	...	...	...	...	2
Accumulation of Refuse and Manure	...	...	...	...	51
Houses in Filthy Condition	...	...	...	...	16
Bakehouses in Dirty Condition	...	...	...	...	1
Slaughter-houses in Dirty Condition	...	...	...	...	10
Workshops in Dirty Condition	...	...	...	...	5
Other Premises in Dirty Condition	...	...	...	...	19
Nuisances from Animals	...	...	...	...	22
Smoke Nuisances	...	...	...	...	2
Insanitary Stables	...	...	...	...	5
Other Nuisances	...	...	...	...	109

LICENSED PREMISES INSPECTED.

Slaughter-houses	...	...	...	...	...	542
Bakehouses	...	...	...	...	...	54
Dairies and Milkshops	...	...	...	...	...	132
Cowsheds	...	...	...	...	...	42
Workshops and Factories	...	...	...	...	...	155
Lodging Houses	...	...	...	...	...	52

MEAT INSPECTION.

				st.	lb.	
Forfeited Meat	...	...	221	0	of beef
„	„	...	14	0	of pork	
„	„	...	30	0	of mutton	
„	„	...	7	0	of veal	
„	„	...	8	0	of offal	
Total			280	0		

Jan.	Two Carcasses of Mutton	...	...	Condemned
Feb.	One Carcass of Pork	...	...	„
Mar.	One Carcass of Beef (General Tuberculosis)			„
Apl.	One Carcass of Beef (General Tuberculosis)			„
„	One Carcass of Beef (Parturient Fever)			„
„	Two Carcasses of Mutton	...	...	„
„	One Carcass of Veal	...	...	„
July	Twenty-six Score of Crabs	...	...	„
„	One Beast's Liver	...	...	„
„	One Carcass of Beef (General Tuberculosis)			„
„	One Carcass of Pork (Measles)	...	...	„
Aug.	Two Carcasses of Beef (Parturient Fever)			„
„	Six Stone of Salt Beef	...	...	„
Oct.	Three Sets of Offal	...	...	„

INFECTIOUS DISEASES AND DISINFECTION.

Infectious Cases Investigated	...	...	...	170
Visits made to Infectious Hospitals	...	...	...	292
Visits made to Infected Houses	...	...	...	340
Number of Rooms Disinfected	..	...	...	136
Number of Articles Treated at the Steam Disinfector				3742

Number of Articles Destroyed	...	...	...	7
Number of Vehicles Disinfected	...	...	...	19
Number of Drains and Yards Disinfected	...	...	...	196
Number of Cases Removed to Hospitals	...	...	...

SITUATION OF SLAUGHTER-HOUSES.

Lift's Yard, Norfolk Street.

Paradise Lane.

Union Lane.

High Street.

London Road.

Highgate.

Windsor Road.

Norfolk Street.

Littleport Street.

Diamond Street (Horse Slaughtering Premises)

Two Slaughter-house Licenses have been renewed.

REGISTERED COMMON LODGING HOUSES.

Day Inspections	...	...	...	49
Night Inspections	...	...	...	32

DAIRIES, COWSHEDS AND MILKSHOPS.

There are 69 Milksellers in the Borough, of which 28 are Milkshop Proprietors, 13 Milksellers and Cowkeepers, 28 Milksellers who reside outside the Borough Boundary.

Housing and Town Planning, etc. Act, 1909.

The number of Dwelling-houses inspected under and for the purpose of Sec. 17 of the Act, 1909	288
---	-----	-----	-----	-----	-----	-----

The number of Dwelling-houses which on inspection were considered to be in a state so dangerous or injurious to health as to be unfit for human habitation	40
--	-----	-----	-----	-----	----

The number of representations made to the Local Authority with a view to the making of Closing Orders	40
---	-----	-----	-----	-----	----

The number of Closing Orders made	...	40
-----------------------------------	-----	----

The number of Dwelling-houses the defects in which were remedied without the making of Closing Orders	0
---	-----	-----	-----	-----	---

The number of Dwelling-houses which after the making of Closing Orders were put into a fit state for human habitation	17
---	-----	-----	----

The number of Dwelling-houses demolished	19
--	----

	General dilapidation
The general character of the defects found to exist	The want of through ventilation.
...	Damp walls & floors.
...	The want of light and air.
...	
...	

FACTORIES, WORKSHOPS & WORKPLACES.

INSPECTIONS.

					No. of Inspections	No. of Written Notices.
Factories	...	...	...	...	49	2
Workshops	...	...	...	...	78	5
Homeworkers' Premises	...	...	...	...	28	2
Total ...					155	9

DEFECTS FOUND.

					Number of Defects. Found.	Remedied.
Want of Cleanliness	...	...	...	...	5	5
Want of Ventilation	...	...	...	...	0	0
Other Nuisances	...	...	...	...	2	2
Sanitary Accommodation, Insufficient	...	...	...	...	1	1
Sanitary Accommodation, Unsuitable or Defective	...	...	...	...	0	0
Total ...					8	8

HOME WORK.

List of Outworkers	...	...	...	...	35
Lists Received	...	...	...	...	5
Addresses of Outworkers forwarded to other Authorities	...	...	...	...	0
Orders Prohibiting Homework in Infected Premises (S. 110)	...	...	...	...	1
Total ...					41

REGISTERED WORKSHOPS.

Workshops	...	...	...	...	173
Workshop Bakehouses	...	...	...	...	32
Total Number of Workshops on Register ...					205

OTHER MATTERS.

Matters notified to H.M. Inspector	...	...	5
Reports (of action taken) sent to H.M. Inspector	...	...	0
Total ...			5

HEALTH OFFICE, TOWN HALL,

KING'S LYNN,

APRIL, 1915.

PORT SANITARY INSPECTOR'S REPORT.

MR. CHAIRMAN AND GENTLEMEN,

During the year ending December, 1914, Sixty-four ships were inspected, viz.:—

Foreign Steamers	...	...	...	25
Foreign Sailing Ships	...	...	...	10
British Coasting Ships	...	...	...	5
British Coasting Steamers	...	...	...	2
Fishing Vessels	...	...	...	0
Canal Boats	...	...	...	22
				<hr/>
				64

The forecastles and deck houses of two Ships were found to be in a dirty condition.

I am, Gentlemen,

Your obedient Servant,

JOHN W. SHAW,

Port Sanitary Inspector.

HEALTH OFFICE, TOWN HALL,

KING'S LYNN,

JANUARY 26TH, 1915.

CANAL BOATS ACT, 1877 and 1884.

ANNUAL REPORT TO THE LOCAL GOVERNMENT
BOARD FOR 1914.

GENTLEMEN,

I have to report that 22 inspections of Canal Boats were made during the year 1914.

Infringements of the Act were dealt with as follows:—

Leaky Cabins	...	...	...	1
Marks and Numbers Defaced	...			0
Unregistered	...	...	...	0
Cabins re-painted	...	...	...	1

I am, Gentlemen,

Your obedient Servant,

JOHN W. SHAW,

Canal Boat Inspector.